

# FLOWCHARTING TEMPLATE

FORM X20-8020

The symbols shown on this envelope are recommended for use in the preparation of system and program flowcharts.

A detailed description of FLOWCHARTING TECHNIQUES can be found in the IBM Data Processing Techniques manual by that name (C20-8152).

## PROGRAM FLOWCHART SYMBOLS

SYMBOL	REPRESENTS
	<p><b>PROCESSING</b></p> <p>A group of program instructions which perform a processing function of the program.</p>
	<p><b>INPUT/OUTPUT</b></p> <p>Any function of an input/output device (making information available for processing, recording processing information, tape positioning, etc.).</p>
	<p><b>DECISION</b></p> <p>The decision function used to document points in the program where a branch to alternate paths is possible based upon variable conditions.</p>
	<p><b>PROGRAM MODIFICATION</b></p> <p>An instruction or group of instructions which changes the program.</p>
	<p><b>PREDEFINED PROCESS</b></p> <p>A group of operations not detailed in the particular set of flowcharts.</p>
	<p><b>TERMINAL</b></p> <p>The beginning, end, or a point of interruption in a program.</p>
	<p><b>CONNECTOR</b></p> <p>An entry from, or an exit to, another part of the program flowchart.</p>
	<p><b>OFFPAGE CONNECTOR</b></p> <p>A connector used instead of the connector symbol to designate entry to or exit from a page.</p>
	<p><b>FLOW DIRECTION</b></p> <p>The direction of processing or data flow.</p>

## SUPPLEMENTARY SYMBOL FOR SYSTEM AND PROGRAM FLOWCHARTS



### ANNOTATION

The addition of descriptive comments or explanatory notes as clarification.

# SYSTEM FLOWCHART SYMBOLS

## PROCESSING



A major processing function.

## INPUT/ OUTPUT



Any type of medium or data.

## PUNCHED CARD



All varieties of punched cards including stubs.

## PERFORATED TAPE



Paper or plastic, chad or chadless.

## DOCUMENT



Paper documents and reports of all varieties.

## TRANSMITTAL TAPE



A proof or adding machine tape or similar batch-control information.

## MAGNETIC TAPE



## DISK, DRUM, RANDOM ACCESS



## OFFLINE STORAGE



Offline storage of either paper, cards, magnetic or perforated tape.

## DISPLAY



Information displayed by plotters or video devices.

## ONLINE KEYBOARD



Information supplied to or by a computer utilizing an online device.

## SORTING, COLLATING



An operation on sorting or collating equipment.

## CLERICAL OPERATION



A manual offline operation not requiring mechanical aid.

## AUXILIARY OPERATION



A machine operation supplementing the main processing function.

## KEYING OPERATION



An operation utilizing a key-driven device.

## COMMUNICATION LINK



The automatic transmission of information from one location to another via communication lines.

## FLOW



The direction of processing or data flow.

RETURN TO:

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